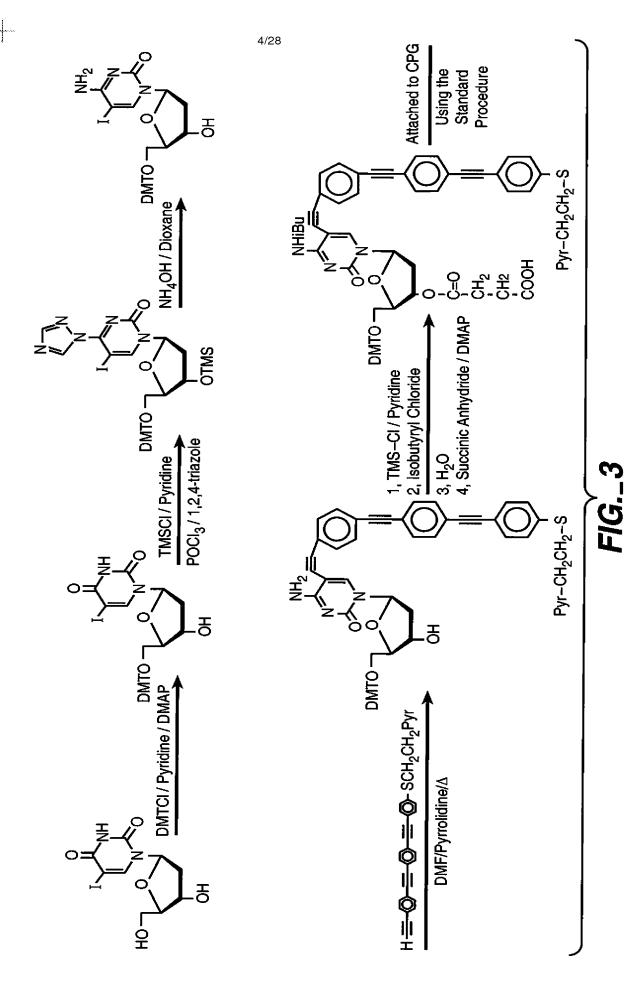


FIG._ 1B

FIG._2



$$I = \frac{1. \text{ nBul / THF}}{2. (\text{iPs_N})_2 \text{PCl}}$$

$$I = \frac{1. \text{nBul / THF}}{2. \text{nBul / THF}}$$

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$$I = \frac{1. \text{nBul / THF}}{2. \text{nBul / THF}}$$

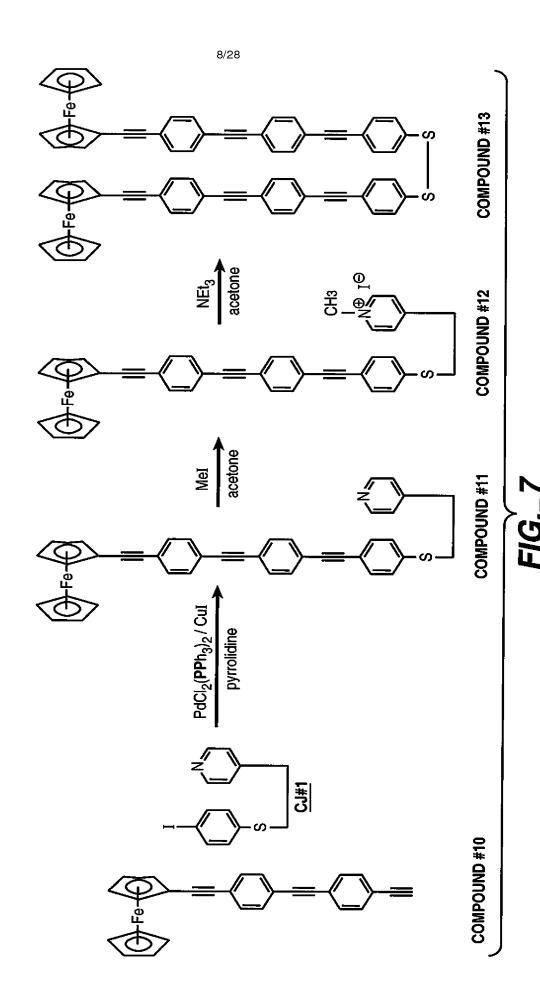
$$I = \frac{1. \text{nBul / THF}}{2. \text{nBul / THF}}$$

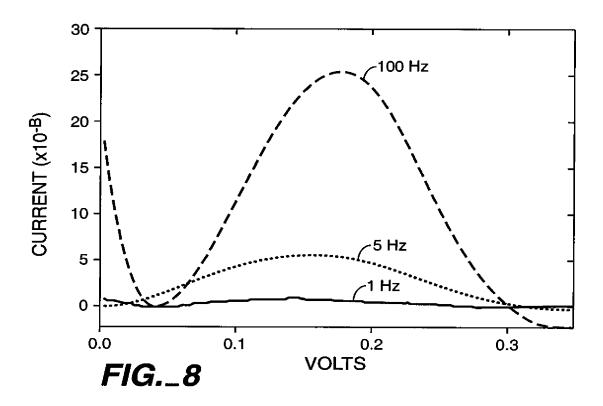
$$I = \frac{1. \text{nBul / THF}}{2. \text{nBul / THF}}$$

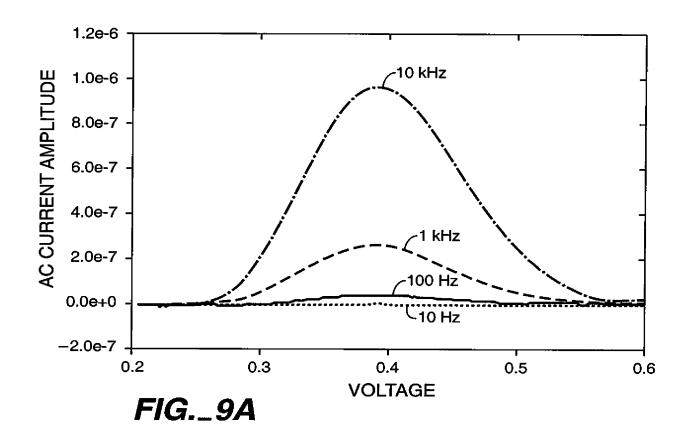
FIG._4

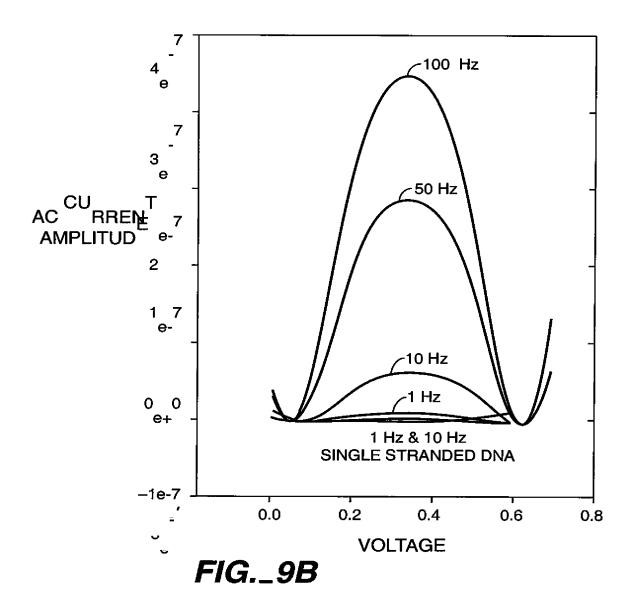
+

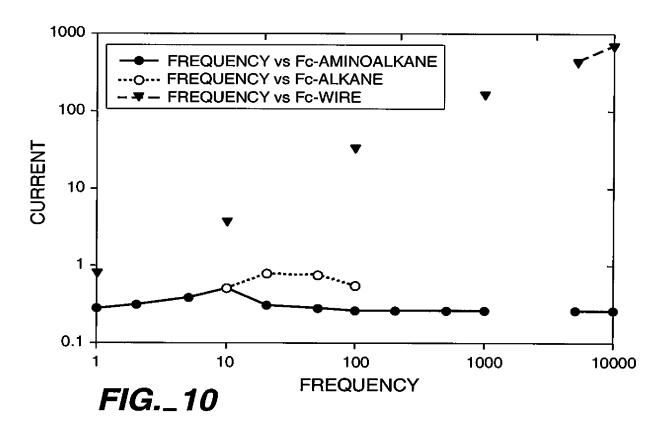
_

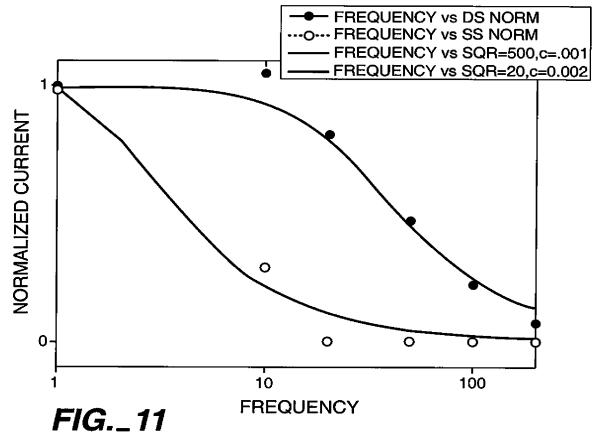


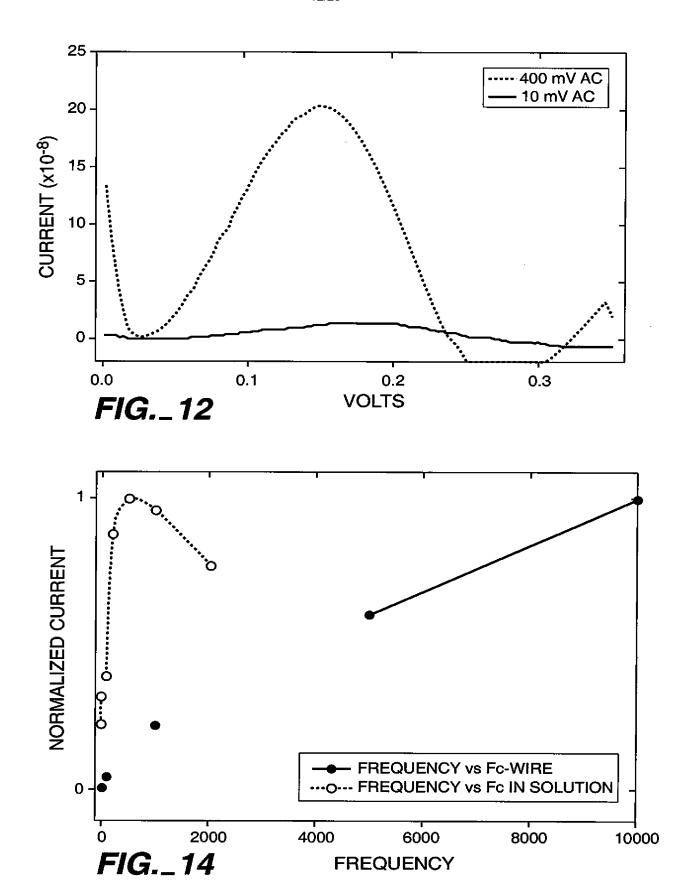


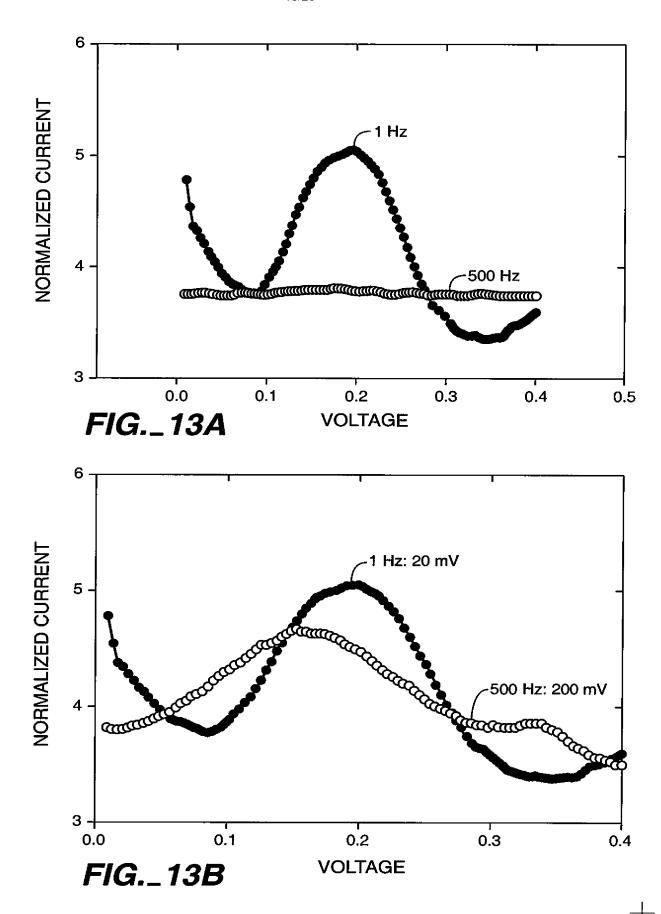


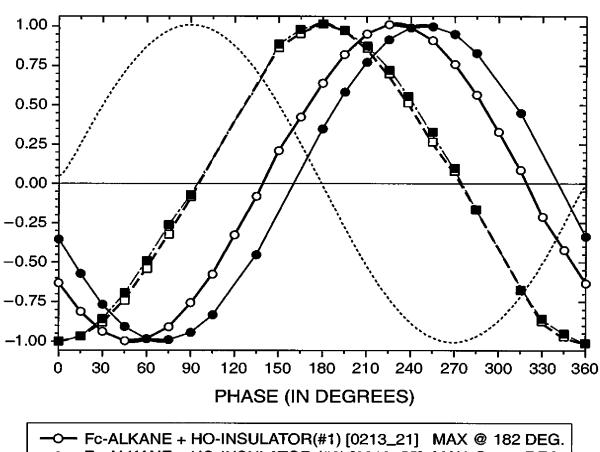












- Fc-ALKANE + HO-INSULATOR (#2) [0213_55] MAX @ 179 DEG.
- [—]□- Fc-WIRE (DISULFIDE) + HO-INSULATOR, 2-STEP PROCESS [g010901]

MAX @ 230 DEG.

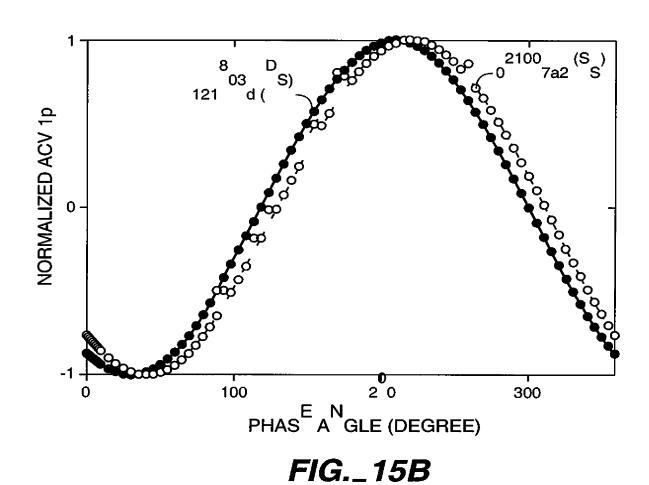
■ Fc-WIRE (PROTECTED) + HO-INSULATOR,

3 STEP PROCESS [g010834]

····· DRIVING FORCE

MAX @ 250 DEG.

FIG._15A



....

FIG. 17A
$$\frac{17}{17}$$

FIG._17F

FIG._ 18A

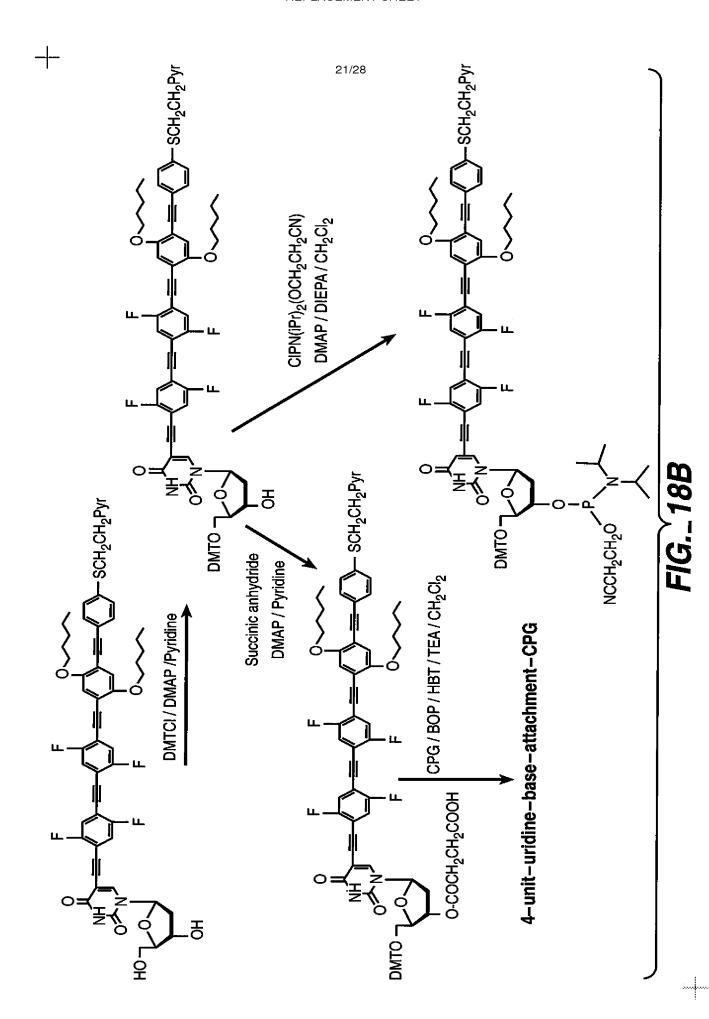
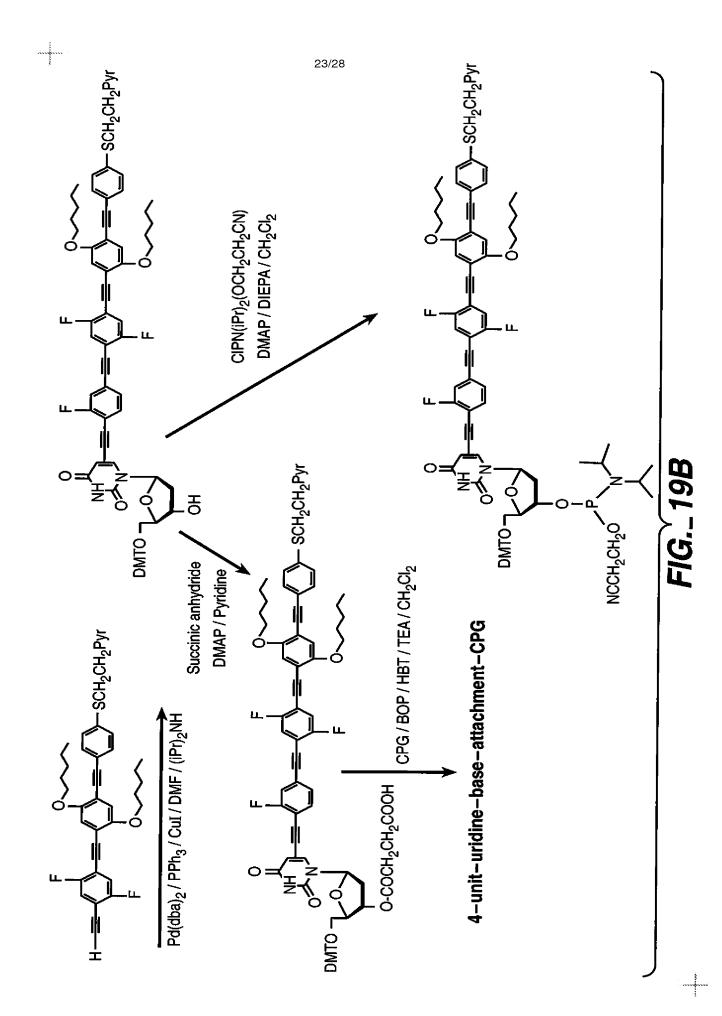


FIG._ 19A



Br
$$\bigcirc$$
 SH + \bigcirc Benzene Br \bigcirc Si- \bigcirc Bright \bigcirc Br \bigcirc Si- \bigcirc Si- \bigcirc Pd(dba)₂ / PPh₃ / CuI / DMF / (iPr)₂NH TMS = \bigcirc Si-

$$K_2CO_3$$
THF / CH_3OH
 $H = O$ -S'-Si-Pd(dba)₂ / PPh₃ / CuI / THF / (iPr)₂NH
 $HS = O$ -S'-

$$K_2CO_3$$

THF / CH_3OH
 $H = \bigcirc -S$

Pd(dba)₂ / PPh₃ / CuI / THF / (iPr)₂NH

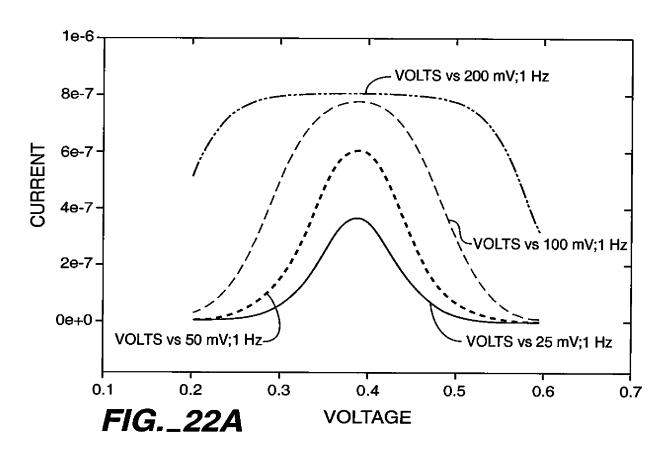
 $I = \bigcirc -S$
 $A_1 = A_2$
 $A_2 = A_3$
 $A_3 = A_3$
 $A_4 = A_3$
 $A_4 = A_3$
 $A_5 = A_4$
 $A_5 = A_5$
 $A_5 = A_5$

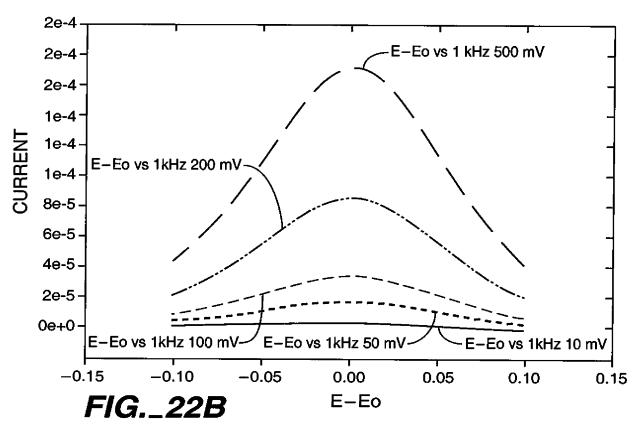
FIG._20A

FIG._20B

+

Pd(dba)₂ / PPh₃ / CuI / Pyrrolidine / DMF





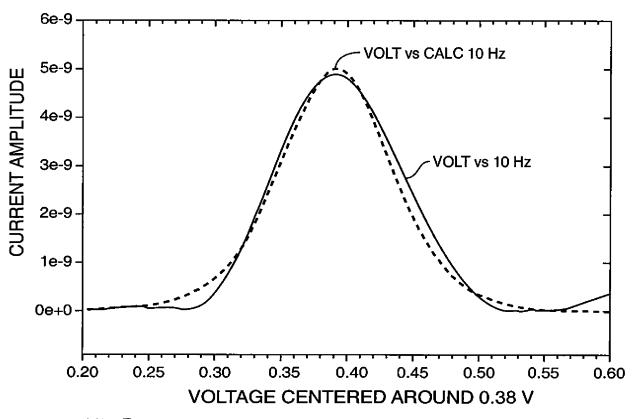


FIG._23A

